

# Morgan Vise Company

108 No. Jefferson St., Chicago, Ill.

Manufacturers of

## Wood and Metalworking Vises

Morgan vises are guaranteed against breakage and we will replace free of charge any part broken in service. Morgan Woodworking Vises are distinguished by their simplicity of construction, and every part is accurately machined and interchangeable. In Morgan Metalworking Vises, the sliding bar is solid instead of cored all the way through as in other vises.

### General Construction

The following details of construction are found in all Morgan Vises:

**Castings.** Castings are made of charcoal iron, which is an iron of an unusual degree of fineness. Ordinary gray iron is very porous, and while strong, has not the long life qualities of charcoal iron. The breaking strain of charcoal iron is about 40% greater than for gray iron. In the metalworking vises the sliding bar is accurately milled and properly fitted to the opening which is broached by special, heavy, expensive machinery.

**Jaws.** Jaws are all accurately milled and absolutely parallel to insure a square grip. The machinists' vises have interchangeable tool steel faces which may be replaced when worn, adding years of life to the vise at practically no cost. Any of the woodworking vises may easily be fitted with wood faced jaws if desired.

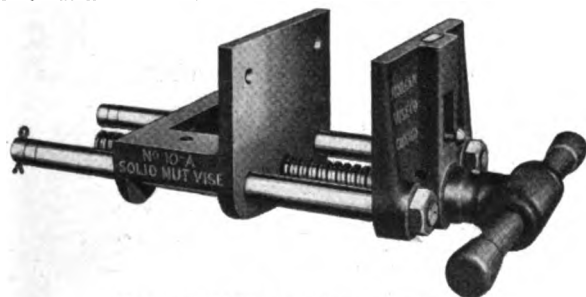
**The Screw.** All screws are manufactured from No. 1020 S. A. E. stock. This is a special, tough, non-stretching metal which makes it impossible for the screw to bind in the nut. Threads are Acme die cut, according to requirements.

**The Nut.** In the woodworking vises the nuts are extra hard bronze with carefully cut threads. A high grade malleable iron is used in all metalworking vises, eliminating possibility of breakage. Extra length provides a long bearing for the screw and promotes long life.

**Slide Bars.**  $\frac{3}{4}$ " cold rolled steel is used in the woodworking vises and they slide freely in the back jaw regardless of opening or grip.

### Solid Nut Continuous Screw Woodworking Vise

Side bars of  $\frac{3}{4}$ " cold rolled steel with heavy shoulders fitting well into the movable jaw add strength and rigidity. Screw is 1" in diameter with three Acme threads to the inch assuring easy rapid action. Solid bronze nut is removable.



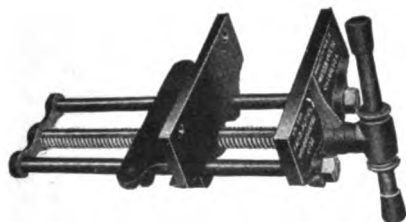
Morgan Solid Nut Continuous Screw Vise.

Vise No.	Width of Jaw Inches	Depth of Jaw Inches	Jaw Opens, Inches
10A	7	4	8½
15A	8	4	10
20A	10	4	12

No. 10A Vise can be furnished with 12-inch opening if so desired.

### Quick Action Vise (Toles Pattern)

The working action of this vise is the most simple and effective of any of the screw adjusting type. The screw, having intercepted threads, operates in a half nut, a slight turn of the handle disengaging the screw and permitting the jaw to slide back and forth at will. A turn in the opposite direction engages screw with nut, holding the work firmly in place.

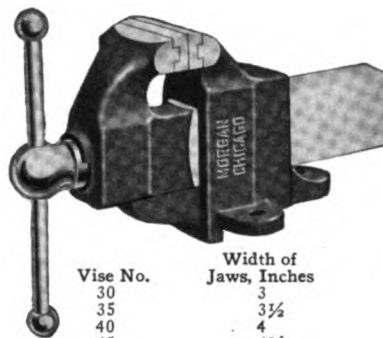


Morgan Quick Action Vise (Toles Pattern)

Screw is  $1\frac{1}{4}$ " in diameter. Half nut is a high quality bronze casting with accurately cut threads. This vise can be furnished either with or without dog in the front jaw. Whenever dogs or stops are furnished they are accurately fitted into machined holes having cored openings at their bottoms to permit the passage of dirt and chips.

Vise No.	Width of Jaw Inches	Depth of Jaw Inches	Jaw Opens, Inches
100	7	4	8
200	10	4	12

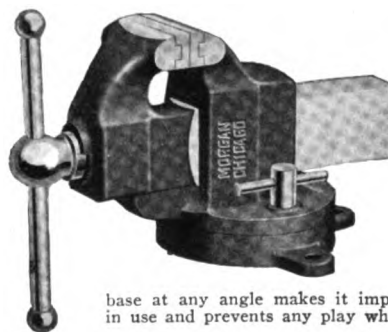
### Stationary Base Machinists' Vise



This vise is unsurpassed for strength, rigidity, and durability. All parts are interchangeable because of the use of special machining processes.

Vise No.	Width of Jaws, Inches	Jaw Opens, Inches	Weight Pounds
30	3	4	22
35	3½	5	29
40	4	5½	42
45	4½	6¼	55
50	5	7	70
55	5½	8½	100
60	6	9½	135
70	7	12	200
80	8	12	250

### Swivel Base Machinists' Vise

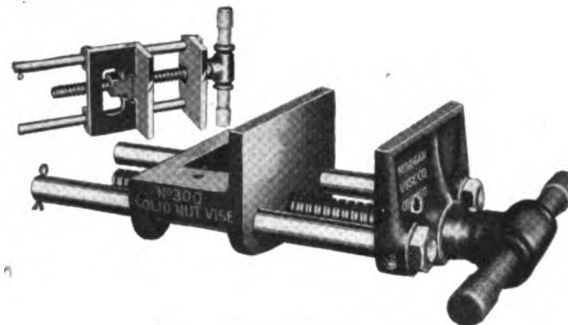


All the strength and rigidity of the Morgan Stationary Base Vise is maintained in the Swivel Base series. All engaging parts are milled to insure smooth and perfect working. The same careful workmanship and close and high standard of inspection is maintained in the manufacture of this type of vise. This vise may be swung and clamped in any desired position; a specially designed nut for locking the base at any angle makes it impossible to turn the vise when in use and prevents any play which would destroy the rigidity.

Vise No.	Width of Jaws, Inches	Jaw Opens, Inches	Weight Pounds
130	3	4	28
135	3½	5	36
140	4	5½	52
145	4½	6¼	64
150	5	7	85
155	5½	8½	115
160	6	9½	150
170	7	12	220

### Junior Solid Nut Vise

Built to meet the demands for a sturdy dependable vise at a low price. Especially adapted for the Elementary Manual Training shop or the home work bench.



Morgan Junior Solid Nut Vise.

Construction and workmanship of the same high quality as our regular line and also carries our unqualified guarantee against breakage.

Vise No.	Width of Jaw, Inches	Depth of Jaw, Inches	Jaw Opens, Inches
300	7	3	8½

Can be furnished with 12" opening if so desired.

### Other Models

The Morgan Vise Company also manufactures a Combination Pipe Vise with swivel base that is so constructed as to embody the best features of our standard machinists' vise and the convenience of a pipe vise. This vise is made in width of jaw sizes of 3½, 4½, 5, and 6 inches.

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